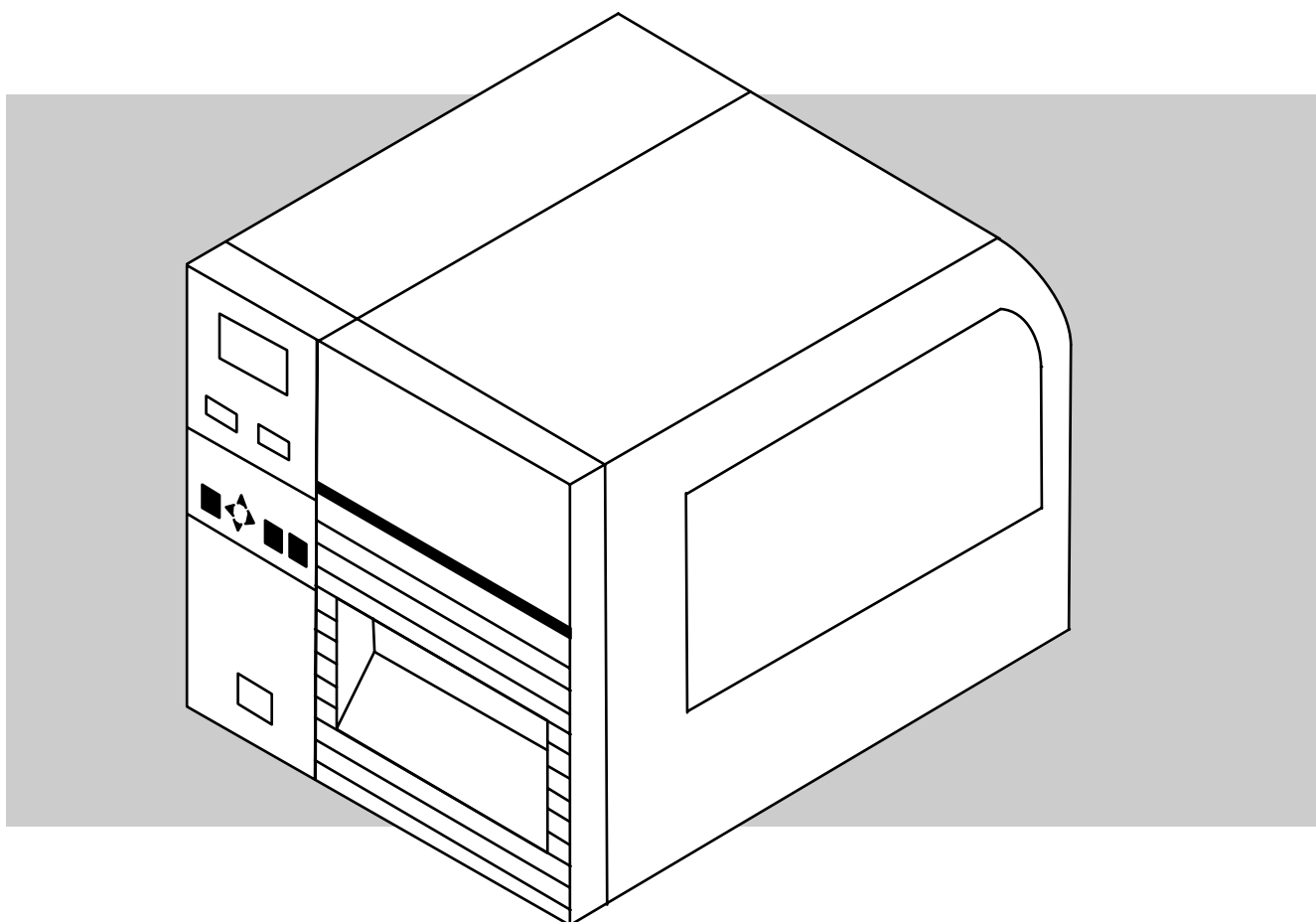


Instructions for use

GL408e / GL412e
Barcode printer



DCS & Labelling Worldwide



Dok-ID: 01867

**Read the operating instructions before starting
work!**

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1 General

1.1 Information on this quick guide

This quick guide provides important information on how to handle the device.

Make sure to read this quick guide before using this printer! It is an integral part of the product and must be kept in the immediate vicinity of the device to be available to the operating staff.

When transferring the device to third parties, make sure to include this quick guide.

1.2 Limitation of liability

All information and notes in this manual were compiled under due consideration of valid standards and regulations, the present status of technology and our years of knowledge and experience.

The manufacturer can not be made liable for damage resulting from:

- disregarding these instructions
- unintended use
- employment of untrained personnel
- unauthorized conversions
- technical modifications
- use of unapproved spare parts

In case of special versions the actual scope of delivery can vary from the explanations and representations in this manual, because of the utilization of additional order options or due to latest technical changes.

Apart from this, the obligations agreed upon in the delivery contract, the General Terms of Business and the delivery conditions of the manufacturer and the legal regulations valid at the time of contract do apply.

1.3 Copyright

Treat the operating instructions confidentially. They are only intended for persons working with or on the device. Passing these operating instructions on to third parties without the written consent of the manufacturer is not permitted.



NOTE!

The contents of these instructions, texts, drawings, pictures and other representations are protected by copyright law subject to industrial property rights. Any misuse is punishable.

Reproduction of any kind – even in form of excerpts – as well as the use and/or disclosure of the contents without the written consent of the manufacturer is not permitted. Violations oblige to compensation. The right for further claims remains reserved.

The warranty conditions are attached to the sales documents as a separate document.

1.4 Customer Service

Our Customer Service is always available for technical information. Notes on the responsible contact partner are on call by phone, fax, e-mail or via internet, see address of manufacturer on page 2.

Apart from that, our members of staff are permanently interested in receiving new information and experience resulting from the use of our products and which could be of great value for future improvements.

1.5 Explanation of symbols

Warnings

In these operating instructions warnings are identified by symbols. These notes are introduced by signal words, which express the severity of a danger. Adhere to these notes and act cautiously in order to avoid accidents, personal injuries and damage to property.

**DANGER!**

... indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

**WARNING!**

... indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

**CAUTION!**

... indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

**CAUTION!**

... indicates a potentially hazardous situation which, if not avoided, may result in property damage.

Hints and recommendations

**NOTE!**

... emphasizes useful hints and recommendations as well as information for efficient and problem free operation.

2 Safety

This paragraph provides you with an overview of all important safety aspects for optimal protection of personnel as well as safe and trouble-free operation.

Disregarding the operating instructions and safety regulations specified in this manual may result in considerable danger.

2.1 Intended use

The printer may only be used for printing bar code labels using the printing materials recommended by the manufacturer.



WARNING!

Danger when device is used inappropriately!

Any use for purposes exceeding and/or deviating from the intended use of the device may lead to dangerous situations.

Therefore:

- Use the device only for its intended purpose.
- Strictly adhere to all information provided in this manual.
- In particular, avoid using the device for the following purposes, as they are held to be inappropriate:
 - use of inappropriate printing materials (e.g. clothing, cardboard, foreign objects).

No liability shall be assumed for any claims arising from damages resulting from any inappropriate use.

Damages resulting from inappropriate use shall be the sole responsibility of the operator.



CAUTION!

Do not disassemble the printer or alter its components in any way.

Do not open the device any further than specified in this manual.

2.2 Incorrect use

The applications listed here may lead to errors, the destruction of the device or injury.

- Using printing materials other than the specified materials (e.g. inappropriate paper, clothing, cardboard).
- Inserting foreign objects into the printer.
- Use of non-permissible accessories.
- Contact with liquids.
- Setting up the printer on uneven or slanted surfaces.
- Exposing the printer to serious vibrations.
- Extreme temperatures or great variations in temperature including moisture formation.
- Operating the printer in extremely dusty environments.
- Long-term exposure to extreme sunlight may affect the optical sensors and may cause the capturing of labels to become incorrect.
- Danger of electrical interferences and voltage drops by adjacent machines with a high power consumption.

2.3 Special dangers

The following section describes the remaining risks, which are revealed by the risk analysis.

The safety notes listed in this section and the warnings in the other chapters of this instruction manual must be observed in order to reduce health hazards and to avoid dangerous situations.

Electric current



DANGER!

Danger to life caused by electric current!

Touching conductive parts causes a direct danger to life. Damage to insulations or individual components can cause danger to life.

Therefore:

- In case of damage to insulation switch off the power supply immediately and have the defective parts repaired.
- Work on the electric system must only be carried out by skilled electricians.
- De-energize the machine for all work on the electrical system.
- Switch off the power supply and secure against switching on again before maintenance, cleaning or repair work.
- Do not bridge fuses or make them ineffective. When changing fuses make sure you use the correct amperage.
- Keep moisture away from conductive parts. This can cause short circuit.

Simplified cutter



CAUTION!

Risk of injury at the simplified cutter!

The simplified cutter used to cut the labels may cause cuts and skin abrasions.

Therefore:

- Use caution when working in the proximity of the simplified cutter.
- When in doubt, wear protective gloves.

3 Transport and storage

3.1 Transport information

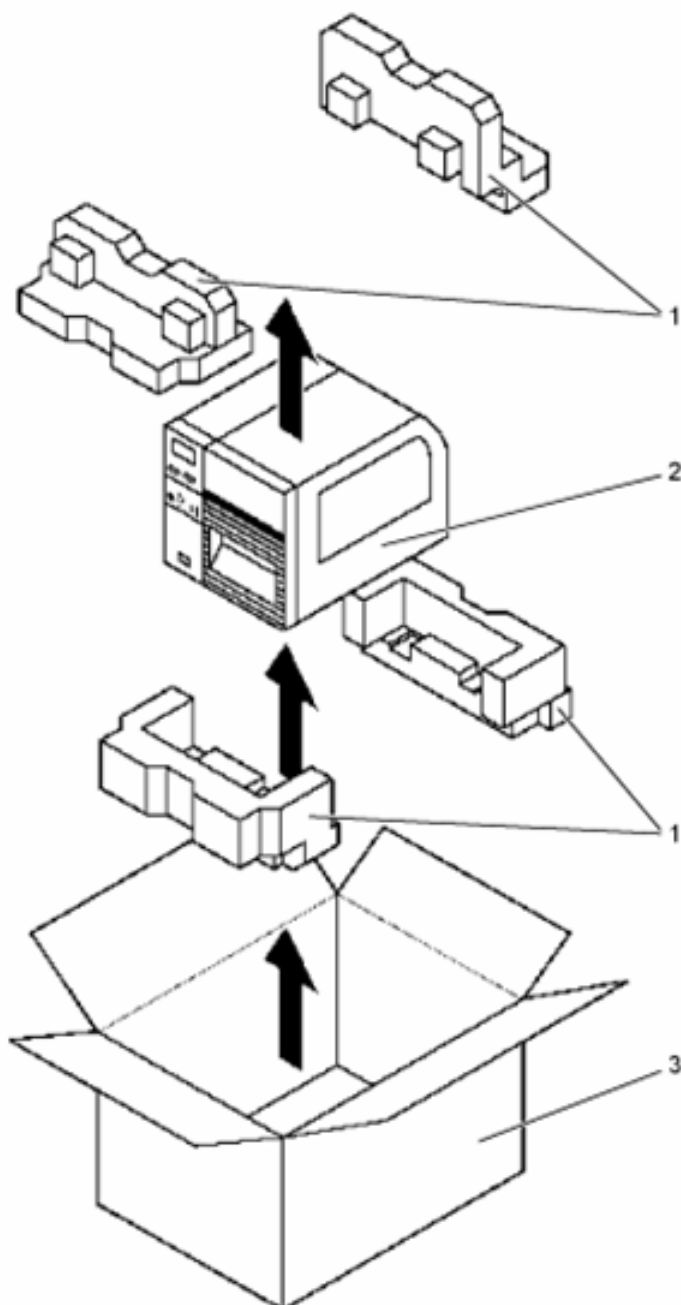
- Unplug the power cable before transporting the printer.

3.2 Storage

- When storing the printer for an extended period of time, protect it against influences such temperature, sun exposure, and moisture.

4 Unpacking the printer

Unpack the printer and check the contents.



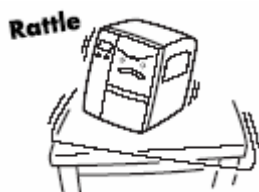
- 1 Cushion
- 2 Printer
- 3 Box

5 Installation



Place the printer in a level place

If installed in a rough or slanting place, quality printing will not be available. It may cause malfunction and shorten the life of the printer.



Use a stable platform

Use a stable platform. Do not carry the printer with the media inside. Do not rock the printer.



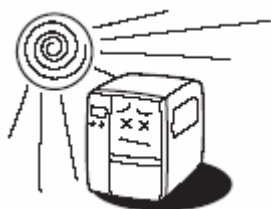
Avoid high heat and humidity

Do not install in a place of high temperature or humidity. High temperature or humidity may cause malfunction.



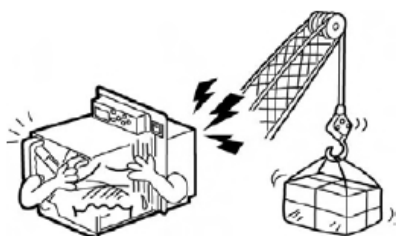
Avoid dust

Dust may deteriorate the quality of printing. It may cause malfunction and shorten the life of the printer.



Avoid direct sunlight

Since this product is provided with optical sensors. Direct sunlight may cause erroneous operation. Ensure that the cover is closed when printing.

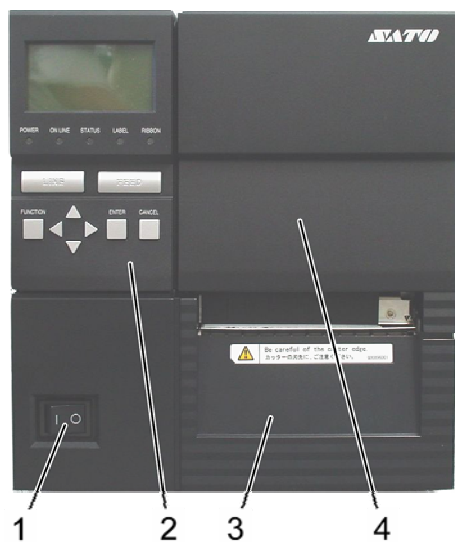


Do not place the printer near cranes or compressors

Equipment using large capacity of electricity, such as cranes and pressing machines, may cause electric noise or under-voltage. Since it may cause malfunction, do not place this product near that kind of equipment.

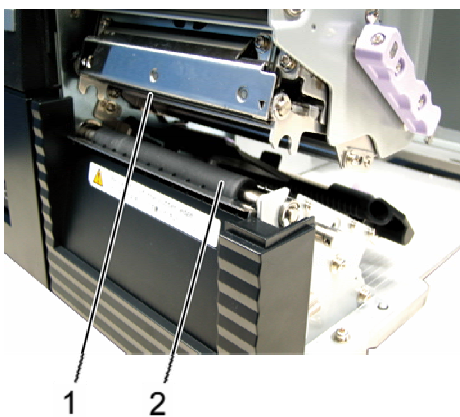
6 Overview

6.1 Parts and functions



- 1 Power switch (ON / OFF)
- 2 Operation panel (display, buttons, LED)
- 3 Front cover
- 4 Media cover

Fig. 1 Printer main body, front



- 1 Print head (consumable)
- 2 Platen roller (consumable)

Fig. 2 Print head

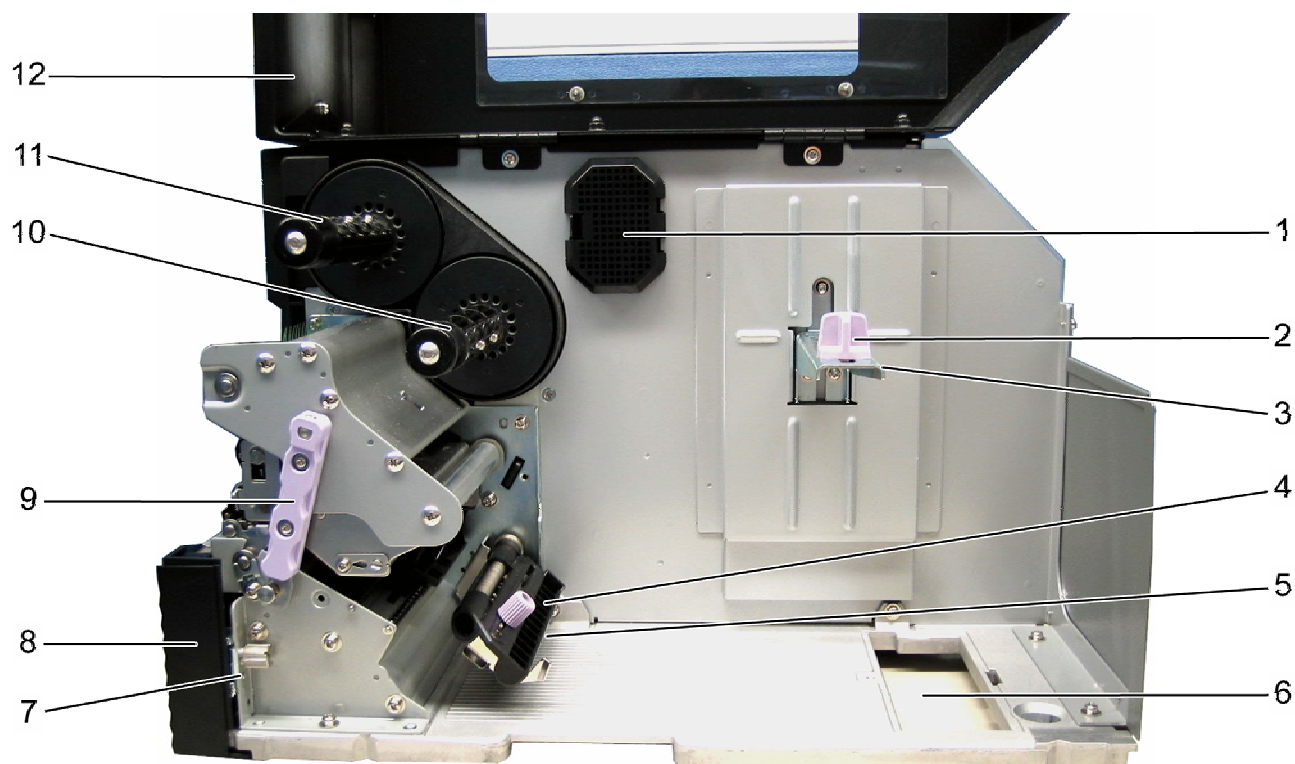


Fig. 3 Printer main body, side

- | | | | |
|---|-----------------------------------|----|-----------------------------|
| 1 | Memory cartridge slot | 7 | Stopper screw |
| 2 | Roll guide | 8 | Front cover |
| 3 | Roll paper feeder | 9 | Print head open/close latch |
| 4 | Media guide knob | 10 | Ribbon feed spindle |
| 5 | Label damper | 11 | Ribbon take-up spindle |
| 6 | Bottom opening for fan-fold media | 12 | Media cover |

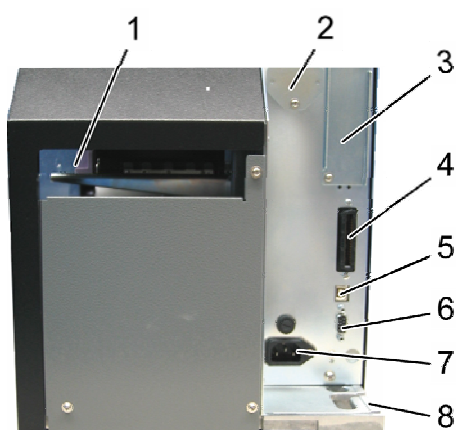


Fig. 4 Printer main body, back

- | | |
|---|--|
| 1 | Opening for fan-fold media |
| 2 | EXT connector (optional) |
| 3 | LAN / W-LAN card slot (optional) |
| 4 | IEEE1284 interface connector |
| 5 | USB interface connector |
| 6 | RS232C interface connector |
| 7 | AC input power terminal (power supply connector) |
| 8 | Cable hook |